Table S1. Compared biochemical and molecular parameters associated with MDSC characterization functions in lung LDNs, HDNs, aged neutrophils and non-aged neutrophils

Class	Parameters	Lung-LDN	Lung-HDN	Lung-Aged Neu	Lung-Non-Aged Neu	Detection technology
Immune response	Inhibition of T cell proliferation	++++	+	++	++	Flow
	Inhibition of IFN-γ production by $CD8^+$ T cells	+++	-	-	++	Flow
	Inhibition of IL-2 production by $CD4^+$ T cells	+++	+	+	+	Flow
Transcription factors and apoptotic regulators	↓ κ IRF8*	↓	↑	-	-	Flow
	Phospho-STAT3*	↑	-	-	-	Flow
	cEBP/β*	↑	-	↑	-	RT-PCR
	S100A8/9*	↑	↓	↓	-	RT-PCR
	RB	-	-	↑	-	RT-PCR
	Phospho-STAT5	-	-	↓	-	Flow
	ROR/RORC1	↑	-	↑	-	Flow
	sXBP, CHOP	-	↓	↑	-	RT-PCR
Genes and molecules contributing to the immune-regulatory activity	ARG1*	↑	↑	↓	-	Functional activity
	NOS2/NO*	-	-	-	-	Functional activity
	NOX2/ROS*	↑	↓	↓	-	Flow
	PNT/RNS*	↑	-	↓	-	Functional activity
	VEGF	-	↑	↑	-	RT-PCR
	PGE2	↑	-	-	-	ELISA
	PD-L1	-	-	↑	-	RT-PCR
Cytokines and receptors	IL-10*	-	-	↑	-	RT-PCR
	TGF-β*	↑	-	↑	-	RT-PCR
	IL-4R (CD124)*	↑	-	↓	-	RT-PCR

*Parameters crucial for MDSC biology and, thus, for their identification.